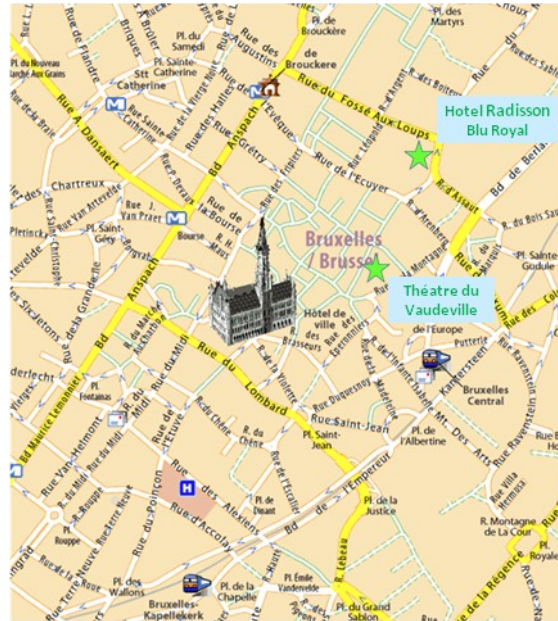


## Venue

The 75<sup>th</sup> IIRB Congress will take place at the Hotel Radisson Blu Royal.

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# 75<sup>th</sup> IIRB Congress

**16-17 February 2016**  
**Hotel Radisson Blu Royal**  
**Brussels (B)**



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## Programme

### 16<sup>th</sup> February

- 08:30 General Assembly  
09:20 Presidential address –  
COLIN MACEWAN

#### 1 Opening session

##### Challenging the yield gap of sugar beet

Chair: FRANS TIJINK (IRS)

- 09:30 MARTIN VAN ITTERSUM (WU Plant Sciences):  
Yield gaps of our major food crops:  
what do they mean and imply?  
10:00 VINCENT LAUDINAT (ITB):  
How do we close the yield gap?  
10:30 *Coffee break*  
11:00 PHILIPPE ROUSSEAU (Syngenta):  
New genetics for a new era –  
a seeds company perspective on how to  
unlock the potential of sugar beet  
11:30 CHRISTER SPERLINGSSON (Nordic Sugar):  
Yield progress and sustainable production  
during long campaigns – the challenge for  
beet sugar value chain  
12:00 – 13:30 *Lunch* (served in the hotel)

#### 2 Yield potential – yield gap

Chair: BERNWARD MÄRLÄNDER (IfZ)

- 13:30 CHRISTA HOFFMANN (IfZ):  
Yield potential of sugar beet –  
perspectives and possible limitations  
13:50 ROBERT OLSSON (NBR):  
Closing the sugar beet yield gap – a farm  
case study in Sweden and Denmark  
14:10 DEBBIE SPARKES (University of Nottingham):  
Understanding soil-plant interactions to  
improve sugar beet productivity  
14:30 ANTJE WOLFF (Strube):  
4D-phenotyping of germinating sugar beet  
seeds and developing seedlings

### 3 Poster session I

14:50 – 16:10 Poster session (includes *coffee break*)

#### 4 Mechanical weed control – how far can we get?

Chair: JENS NYHOLM THOMSEN (NBR)

- 16:10 CÉDRIC ROYER (ITB):  
State of play and perspectives of use of  
mechanical weed control culture of sugar beet  
16:30 CHRISTOPH KUNZ (University of Hohenheim):  
Different mechanical weed control strategies  
in sugar beet  
16:50 JOAKIM EKELÖF (NBR):  
The potentials and risks of using GPS/RTK  
guided row cleaners in sugar beet  
17:10 *End of day one*  
18:30 Reception at the Vaudeville Theatre

### 17<sup>th</sup> February

#### 5 Keeping one step ahead of pests and diseases

Chair: MARK STEVENS (BBRO)

- 8:30 CHRISTINE KENTER (IfZ):  
Characterisation of sugar beet varieties by  
differential reaction to *Cercospora beticola*  
8:50 GARY SECOR (NDSU):  
The interaction of fungicide resistance  
and variety resistance  
9:10 DANIELA CHRIST (IfZ):  
Of symptoms and transcriptomes –  
*Aphanomyces cochlioides* in sugar beet  
9:30 ANDRÉ WAUTERS (IRBAB):  
Interference of *Heterodera schachtii* and  
canopy height in sugar beet variety trials  
9:50 MELANIE HAUER (IfZ):  
Water use efficiency of sugar beet varieties  
susceptible, tolerant and resistant to beet  
cyst nematodes

### 6 Poster session II

10:10 – 11:10 Poster session (includes *coffee break*)

#### 7 Quality, storage, and alternative use of beet

Chair: JEAN-PIERRE VANDERGETEN (IRBAB)

- 11:10 GUY LEGRAND (IRBAB):  
Recommendations for beet storage trials  
under controlled conditions  
11:30 MARTIJN LEIJDEKKERS (IRS):  
Effect of agronomic factors on invert sugar  
accumulation in sugar beet  
11:50 STEFAN DIRKS (University of Bonn):  
Assessment of external and internal quality  
of sugar beet varieties with regard to its  
handling in the process of preparing the  
substrate for biogas production  
12:10 – 13:25 *Lunch* (served in the hotel)

#### 8 Open session

Chair: RODRIGO MORILLO-VELARDE (AIMCRA)

- 13:25 JULIÁN AYALA (AIMCRA):  
Sustainability in the irrigation management.  
Success cases watering by solar energy  
13:45 KLAUS BÜRCKY (Kuratorium für Versuchs-  
wesen und Beratung im Zuckerrübenanbau):  
Does the increased yield of sugar beet  
influence the nutrient uptake?  
14:05 SUZANNE BLOCAILLE (ITB):  
PERFBET – improve performances  
and uses of harvest machinery  
14:25 ANDREAS LOOCK (KWS SAAT AG):  
Finding the needle in the haystack  
14:45 Presentation 2018 Congress  
15:00 End of Congress